

RESEARCH AND DEVELOPMENT, NEUCHATEL - QUARTERLY REPORT

DIVISION : RESEARCH
SUBJECT TITLE : HUMECTANT
PERIOD COVERED : April - June 1990
WRITTEN BY : Renaud-J.M. (JMR)
KEYWORDS : humectant, humectant-survey, germany, sorbitol

OBJECTIVE

To perform a regular survey on the use of humectants in brands in the EEC and EEMA regions (Project AQUARIUS).

STATUS

The leading DB brands bought on the market in June 1990 were analysed for glycerin, propylene glycol, sorbitol, 1,3-butanediol and mono-, di- and triacetine [1]. Glycerin, propylene glycol and sorbitol were found. Their respective amounts are listed in Table 1. Analytical results obtained from December 1987 to June 1990 are illustrated in the attached figures.

As compared to the last survey [2], a reduction of glycerin from 2.3 to 0.9% is observed for Camel. This reduction is compensated by an increase of propylene glycol from 0.6 to 1.6%. No sorbitol was detected after 0.4% in December 1990.

Marlboro remains now the only brand within the leading DB brands with a high glycerin content of above 2%.

The humectant content of the other brands is in line with the values reported previously for glycerin, propylene glycol and sorbitol. For HB, the decrease in glycerin as observed in December 1989 is confirmed.

REFERENCES

- [1] Memo from Renaud-J.M. to Fink-W., July 6, 1990.
- [2] Memo from Renaud-J.M. to Speck-M., December 21, 1989.

Renaud

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TABLE 1: HUMECTANT CONTENT OF GERMAN BRANDS [%] (June 1990)

Brand name	Size	GLY	Humectant PG	Sorbitol
Marlboro Box	84/F	3.0	1.4	n.d.
HB Kronenfilter	84/F	0.2	2.5	1.0
Camell	84/F	0.9	1.6	n.d.
Peter Stuyvesant	84/F	0.2	1.6	0.2
Lord Extra	84/F	0.2	1.3	n.d.
West	84/F	0.2	1.6	n.d.
Ernte 23	84/F	0.2	1.7	n.d.
R 6	84/F	0.2	1.8	1.2
Reval	77/NF	0.2	1.9	n.d.
Prince Denmark	84/F	-	-	-

n.d. = not detectable (detection limit 0.1 %)

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Prince Denmark	84/F	-	-	-

n.d. = not detectable (detection limit 0.1 %)

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FIG. 2 PROPYLENE GLYCOL CONTENT OF GERMAN BRANDS (1987-90)

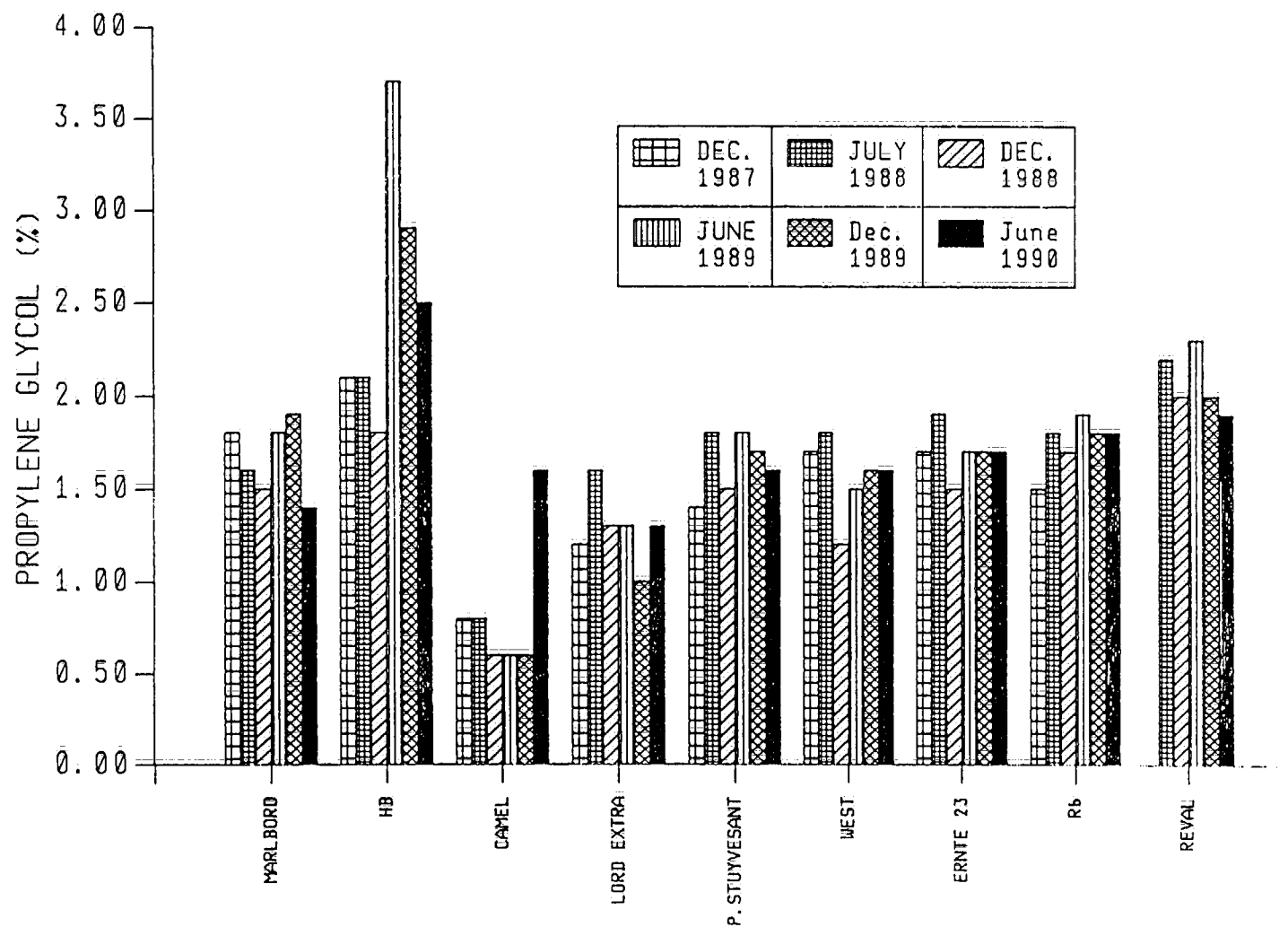


FIG. 1 GLYCERIN CONTENT OF GERMAN BRANDS (1987-90)

